Unified Security Gateway Series — Internet Security

Unified Security Gateway ZWUSG 20 ZWUSG 20W		• Efficient usage of company bandwidth (Bandwidth Management, Load Balancing) • Increase business productivity (Content Filtering) • High performance secure connection to remote offices (IPSec/SSL/2TP VPN) • 802.11 b/g/n wireless access point (USG 20W) • Ideal for <5 users
Unified Security Gateway ZWUSG50		• ICSA-certified IPSec VPN and SPI Firewall • Content filter stops malware and Web threats • High performance secure connection to remote offices (IPSec/SSL/2TP VPN) • Non-stop Internet access with multiple WAN and 3G backups • Ideal for <10 users
Unified Security Gateway ZWUSG100		• High-performance multi-layer threat protection powered by cutting-edge SecuASIC technology • ICSA-certified IPSec VPN and ICSA-certified SPI Firewall • Hybrid VPN (IPSec, SSL and L2TP) secures connections to branch offices, partners and headquarters • ZyXEL or Kaspersky Labs-powered Anti-Virus for protection against viruses and spyware • Application Patrol to manage the use of IM/P2P applications • Flexible OPT port that can be used as another WAN, LAN1, LAN2, or DMZ port (USG 200) • Ideal for 25-50 users
Unified Security Gateway ZWUSG200		
Unified Security Gateway for SMB ZWUSG300		• Unified Security Gateway to provide Hybrid VPN (IPSec/SSL VPN) and UTM security services • ICSA-certified IPSec VPN and ICSA-certified SPI Firewall • High-performance multi-layer threat protection, powered by SecuASIC • Application Patrol to manage the use of IM/P2P applications • High Availability features guarantee non-stop operations • Object/text-based configuration and centralized management • Ideal for 75-200 users
Unified Security Gateway ZWUSG1000		
Unified Security Gateway ZWUSG2000		• Unified Security Gateway for enterprise • ICSA-certified IPSec VPN and ICSA-certified SPI Firewall • ZyXEL or Kaspersky Labs-powered Anti-Virus-Scalable VPN/UTM performance by adding security extension module • Application Patrol to manage the use of IM/P2P applications • High Availability features with redundant power module to guaranteeing non-stop applications • Ideal for <500 users

VPN Firewall Gateways — Internet Security

VPN Firewall Gateway VFG6005 VFG6005N		• Easy VPN connectivity using IPSec and PPTP • High performance throughput firewall • 802.11 b/g/n wireless access point (VFG6005N)

Security Software and Accessories — Internet Security

One Time Password Token ZWOTPSTART ZWOTP5U ZWOTP10U		• Deploys easily and quickly • Intuitive and easy to install, use and manage • Seamless integration with ZyWALL security products • Highly secure and straightforward implementation using SafeWord 2008 • Smartphone Apps as the One-Time Password software generator (OTP-MOBI)
ZyWALL IPSec VPN Client ZYWALLVPN ZYWALLVPN5 ZYWALLVPN10 ZYWALLVPN50		• Interoperability with ZyWALL and most IPSec VPN gateways • IPSec VPN tunneling with DES/3DES/AES encryption • User authentication with X-Auth, PEM or PKCS#12 certificates, PreShared keys • DPD and redundant gateway
Vantage CNM VANCNM10DEV VANCNM25DEV VANCNM50DEV VANCNM100DEV		• Central management • One-click VPN creation and graphical VPN management • Mass firewall ACL policy deployment and management • Bulk firmware upgrade and management
Vantage Report VANRPT1DEV VANRPT5DEV VANRPT25DEV		• Comprehensive set of graphical reports • Web-based user interface (browser based application) • Intuitive design and easy to use • Multi-ZyWALL support • Automated report scheduling

Security Licenses — Internet Security

Gateway Anti-Virus Licenses ICAV1YUSG50 ICAV1YUSG100 ICAV1YUSG200 ICAV1YUSG300 ICAV1YUSG1000 ICAV1YUSG2000		• Protects against zero-day attacks and most popular viruses • Supports up to 15,000 signatures using ZyXEL AV • Customizable zones allow you to choose where to scan • 1 year stackable license
Content Filtering ICCF1YUSG20 ICCF1YUSG20W ICCF1YUSG50 ICCF1YUSG100 ICCF1YUSG200 ICCF1YUSG300 ICCF1YUSG1000 ICCF1YUSG2000		• Automatically blocks unwanted content by subject/catagory • 60+ URL categories (spyware, phising, malware sources, porn…) • Powered by Blue Coat, industry leader in web filtering technologies • 1 year stackable license
Gateway IDP Licenses ICID1YUSG50 ICID1YUSG100 ICID1YUSG200 ICID1YUSG300 CID1YUSG1000 ICID1YUSG2000		• Blocks trojans and backdoor applications for optimum network security • Supports 2,500 IDP signatures • Granular control over IM and P2P applications • 1 year stackable license
SSL VPN Tunnel Licenses SSL2TOSUSG50 SSL2TOSUSG100 SSL2TO10USG200 SSL2TO10USG300 SSL2TO25USG300 SSL10TO25USG300 SSL5TO250USG1000 SSL25TO250USG1000 SSL10TO250USG1000 SSL5TO25USG1000 SSL5TO50USG1000 SSL25TO50USG1000 SSL5TO50USG2000 SSL5TO250USG2000 SSL5TO750USG2000 SSL50TO250USG2000 SSL50TO750USG2000 SSL250STO750USG2000		• One -time upgrade to increase concurrent number of SSL VPN Tunnels • USG50 2/5, USG100 2/5, USG200 2/10 • USG300 2/10/25, USG1000 5/25/50/250 • USG2000 5/50/250/750

Wireless HDMI — Video Streaming

4-Port Wireless HDMI Kit WHD621S Kit		• WiHD™ support for wireless 3D videos in full HD 1080p on HDTV • Plug-and-play for connecting up to four HDMI-enabled devices • Interference-free 60 GHz transmission optimized for multimedia streaming

Desktop Switches — Switches

5/8-Port Desktop Fast Ethernet Switch ES105A ES108A		• Compact, sturdy desktop switch • Connect up to 5/8 network devices • 2/3 QoS ports • Automatically adjusts the power consumption by detecting link status and cable length
Desktop Unmanaged Fast Ethernet Switch ES105S ES108S		• Compact and elegant design • Plug-and-Play Design for easy connection to up to 5/8 networking devices • Automatically adjusts power consumption by detecting link status and cable length
5-Port Desktop Gigabit Ethernet Switch GS105B V2		• Compact, sturdy desktop switch with alternative wallmount installation • Connect up to 5 network devices at Gigabit wire speed • Loop detection prevents network from crashing • Automatically adjusts the power consumption by detecting link status and cable length
8-Port Desktop Gigabit Ethernet Switch GS108B V2		• Compact, sturdy desktop switch with alternative wallmount installation • Connect up to 8 network devices at Gigabit wire speed • Loop detection prevents network from crashing • Automatically adjusts the power consumption by detecting link status and cable length
5/8-Port Streaming Optimized Gigabit Ethernet Switch AVS105 AVS108		• Intelligent QoS optimized for audio and video streaming • Optimized for Hulu, YouTube, Netflix, and more • Connect up to 5/8 network devices at Gigabit wire speed • Dedicated high priority ports for game consoles and VOIP adapters • Loop detection prevents network from crashing • Automatically adjusts the power consumption by detecting link status and cable length

Switch 1000 Series — Switches

8/16/24-Port FE Unmanaged Switch ES1100-8P ES1100-16P ES1100-16 ES1100-24E ES1100-24 ES1100-24G		• 4-port 10/100BASE-TX + 4-port 10/100BASE-TX PoE (ES1100-8P) • 16-port 10/100BASE-TX (ES1100-16) • 8-port 10/100BASE-TX + 8-port 10/100BASE-TX PoE (ES1100-16P) • 24-port 10/100BASE-TX (ES1100-24/ES1100-24E) • 24-port 10/100BASE-TX + 2 dual-personality Gigabit ports (ES1100-24G) • IEEE 802.3az Energy Efficient Ethernet (EEE) compliant (ES1100-16/24/24E) • IEEE 802.3x flow control supported • IEEE 802.1p CoS supported (ES1100-16/24E/24/24G)
16/24-Port GbE Unmanaged Switch GS1100-16 GS1100-24		• 16-port 1000BASE-T (GS1100-16) • 24-port 1000BASE-T + 2 Gigabit SFP open slots (GS1100-24) • 32/52 Gbps non-blocking switching fabric (GS1100-16/GS1100-24) 23.8/38.7 Mpps forwarding rate (GS1100-16/GS1100-24) • 8 802.1p priority queues per port • IEEE 802.3az Energy Efficient Ethernet (EEE) compliant • Suitable for desktop, wall-mount, and rack-mount installation (GS1100-16)

Switch 1500/1510 Series — Switches

24-Port GbE Web-Managed PoE Switch GS1500-24P		• 24-port 1000BASE-T PoE+ 4 dual-personality Gigabit ports • Intuitive and streamlined Web-based management interface • IEEE 802.3az Energy Efficient Ethernet (EEE) compliant • 8 IEEE 802.1p hardware priority queues • WRR, WFQ and SPQ queuing algorithms • Easy Web GUI for intelligent PoE management
16/24-Port GbE Web-Managed Switch GS1510-16 GS1510-24		• 16-port 1000BASE-T (GS1510-16) • 24-port 1000BASE-T + 2 Gigabit SFP open slots (GS1510-24) • IEEE 802.3az Energy Efficient Ethernet (EEE) compliant • Web authentication • Auto-discovery utility
28/52-Port FE L2 Web Managed Switch ES1528 ES1552		• 24-port 10/100Base-TX + 2 port 1000Base-T + 2 GbE SFP (ES1528) • 48-port 10/100Base-TX + 2 port 1000Base-T + 2 GbE SFP (ES1552) • 12.8/17.6 Gbps non-blocking switching fabric; 9.6/13.1 Mpps forwarding rate • 4 802.1p priority queues per port • Auto DoS attack prevention; auto VoIP optimization
48-Port GbE Web-Managed Switch GS1548		• 44-port 1000BASE-T + 4 dual-personality Gigabit ports • Robust system design • Intuitive and streamlined Web-based management interface • Auto DoS attack prevention • Auto VoIP optimization

Switch 2000 Series — Switches

24-Port FE L2 Managed PoE Switch ES2024-PWR		• 24-port 10/100BASE-TX PoE + 2 dual-personality Gigabit ports • WFQ queuing algorithms • MVR and IGMP snooping for IP multicasting optimization • Easy Web GUI for intelligent PoE management
8-Port FE L2 Managed Switch ES2108 ES2108-G		• 8-port 10/100BASE-TX (ES2108) • 8-port 10/100BASE-TX + 1 dual-personality Gigabit port (ES2108-G) • 8-port 10/100BASE-TX PoE + 1 dual-personality Gigabit port (ES2108-PWR) • Fanless hardware design (ES2108/ES2108-G) • MVR enables IP multicasting applications across multiple VLANs environments • Port-based and 802.1Q-tagged VLAN (4K PVID) • MAC filtering/forwarding and MAC freeze
8-Port FE L2 Managed PoE Switch ES2108-PWR		

Switch 2200 Series — Switches

8/24/48-Port GbE L2 Managed Switch GS2200-8 GS2200-24 GS2200-48		• 8-port 1000BASE-T + 2 dual-personality GbE ports (GS2200-8) • 8-port 1000BASE-T PoE + 2 dual-personality GbE ports (GS2200-8HP) • 24-port 1000BASE-T + 4 dual-personality Gigabit ports (GS2200-24) • 24-port 1000BASE-T PoE + 4 dual-personality Gigabit ports (GS2200-24P) • 44-port 1000BASE-T + 2 GbE SFP slots + 4 dual-personality Gigabit ports (GS2200-48) • Port security and enhanced 802.1X port authentication • MAC freeze and intrusion lock • 8 IEEE 802.1p hardware priority queues • WFQ, WRR and SPQ queuing algorithms • MVR and IGMP snooping for IP multicasting optimization • IEEE 802.3af (GS2200-24P)/IEEE 802.3at (GS2200-8HP)
8/24-Port GbE L2 Managed PoE Switch GS2200-8HP GS2200-24P		

Switch 3000 Series — Switches

24/48-Port FE L2 Managed Switch ES3124 ES3148		• 24-port 10/100BASE-TX + 2-port 1000BASE-T + 2 dual-personality Gigabit ports (ES3124) • 48-port 10/100BASE-TX + 2-port 1000BASE-T + 2 dual-personality Gigabit ports (ES3148) • 24-port 10/100BASE-TX PoE + 2-port 1000BASE-T + 2 dual-personality Gigabit ports (ES3124PWR) • Robust High-Availability system design • Strengthened service management and control • IEEE 802.1s MSTP and IEEE 802.1w RSTP enable fast recovery networks • Policy-based QoS empowered by (L2/L3/L4) ACL • VLAN Stacking (Q-in-Q) support for L2VPN • Backup Power System (BPS) extends network up time • Easy Web GUI for intelligent PoE management (ES3124PWR)
24-Port FE L2 Managed PoE Switch ES3124PWR		
24-Port FE L2 Managed Switch ES3500-24		• 24-port 10/100BASE-TX + 4 dual-personality GbE ports • IPv6 management • IEEE 802.3az Energy Efficient Ethernet (EEE) compliant • sFlow • PPPoE-IA Option 82

Switch 3700 Series — Switches

Metro Managed Layer 3 Gigabit Ethernet Switch MGS3712		• 8-port 1000BASE-T + 4 dual-personality Gigabit ports (MGS-3712) • 24-port 10/100BASE-TX + 2 GbE SFP open slots + 2 dual-personality Gigabit ports (MES3728) • Policy-based QoS optimizes multi-service quality • IGMP snooping v1, v2, v3 and MVR • Multilayer-aware (L2/L3/L4) access control list for security protection • Architecture with RSTP, VRRP and port trunking • IEEE 802.1ag CFM • MEF9 and MEF14 certified for EPL, EVPL and ELAN
Metro Managed Layer 3 Gigabit Ethernet Switch MES3728		

Switch 4000 Series — Switches

24-Port GbE L3 Managed Switch with 10 GbE Uplink XGS4526 XGS4528F		• 20-port 1000Base-T + 4 dual-personality GbE ports (XGS4526) • 24 dual-personality GbE ports + 2 12G stacking ports (XGS4528F) • 1 x optional 2-port 10G XFP open slot via EM422 module • 96/144 Gbps non-blocking switching fabric; 71.5/100 Mpps forwarding rate • 8K MAC table; 2K IP address table; 512 routing entries; 64 routing domains • Advanced L3 routing protocols OSPF, VRRP, RIPv1/2, Static Routing • Multilayer-aware (L2/L3/L4) ACL for security protection and traffic QoS

Switch 7000 Series — Switches

Modular Switch MS7206		• Max. 384 Gbps non-blocking switching fabric; 286 Mpps forwarding rate • 6 slots (two for management and four for I/O modules), 10U height • Hot-swappable I/O modules, power supply and fan trays • High-density with up to 384 1000Base-T ports • Dual active-active switching fabrics • Intelligent QoS and traffic control for enhanced availability • Extended L3 routing and L2 switching functions for highest performance • Intelligent QoS and traffic control for enhanced availability • Extended L3 routing and L2 switching functions for highest performance

Carrier Switches — Switches

Metro Managed Layer 3 Gigabit Ethernet Switch GS4012F		• 8 GbE SFP + 4 dual-personality GbE ports • 24 Gbps non-blocking switching fabric; 17.8 Mpps forwarding rate • 1K static VLAN and 4 K dynamic VLAN support (full range 4K PVID) • Advanced L3 routing protocols OSPF, VRRP, RIPv1/2, Static Routing • Multilayer-aware (L2/L3/L4) ACL for security protection and traffic QoS
Metro Managed Layer 2 Fast Ethernet Switch MES3528		• 24-port 10/100 Mbps + 2 GbE SFP + 4 dual personality GbE • 12.8 Gbps non-blocking switching fabric • "Front Access" design; external alarm input/output block • Fanless design conserves power, reduces noise
Metro Managed Layer 3 Gigabit Ethernet Switch with 10G XGS4728F		• 24 dual-personality GbE ports + 2 12G stacking ports • 1 x optional 2-port 10G XFP open slot via EM422 module • 144 Gbps non-blocking switching fabric; 100 Mpps forwarding rate • Advanced L3 routing protocols OSPF, VRRP, RIPv1/2, Static Routing • Multilayer-aware (L2/L3/L4) ACL for security protection and traffic QoS

Transceivers — Switches

10 GbE Fiber Transceiver FTLX8511D3 (XFP-SR) FTLX1611M3 (XFP-ER) FTLX1412D3BCL (XFP-LR)		• Hot-pluggable XFP footprint • Supports 9.95 Gb/s to 10.5 Gb/s bit rates • RoHS-6 compliant (lead-free) • Temperature range 0°C to 70°C (32°F to 158°F) • Uncooled 1310nm DFB laser (FTLX1412D3BCL) • Uncooled 850nm VCSEL laser (FTLX8511D3)
FE Fiber Transceiver SFP100FX-2 SFP100TX SFP100LX-20 SFP100BX1310-20-D SFP100BX1550-20-D		• 100 Mbps transmission speed and flexibility • SFP MSA (Multi-Source Agreement) compliance • Hot-pluggable for maximum flexibility • Bi-directional transceiver maximize the use of existing fiber plant (SFP100BX1310-20-D/SFP100BX1550-20-D) • 125 Mbps, integrated RJ-45 connector, 100 m reach (SFP100TX)
GbE Fiber Transceiver SFP1000T SFPSX-D SFPLX-10-D SFPZX-80-D SFPBX1310-10-D SFPBX1490-10-D SFPLHX1310-40-D		• 1000 Mbps transmission speed and flexibility • SFP MSA (Multi-Source Agreement) compliance • Hot-pluggable with maximum flexibility • Bi-directional transceiver maximize the use of existing fiber plant (SFPBX1310-xx/SFPBX1490-xx) • 1.25 Gbps, integrated RJ-45 connector, 100 m reach (SFP1000T)
10G XFP Transceiver XFP10GSR XFP10GLR XFP10GER		• Hot-pluggable XFP footprint • Supports 9.95Gb/s to 10.5Gb/s bit rates • RoHS-6 compliant (lead-free) • Temperature range 32° to 160° F • Uncooled 1310nm DFB laser - 1000ft, 50 um MMF (XFP10GSR) • Uncooled 850nm VCSEL laser - 6miles, 9 um SMF (XFP10GLR) • Temperature-stabilized EML transmitter - 25miles, 9um SMF (XFP10GER)

Switch Accessories — Switches

Backup Power System BPS120		• Compact design: 1U, rack-mountable • Six output ports for ZyXEL Ethernet switches • Supports ZyXEL L2/L3 advanced switches (4500/4000/3000 series and GS2200-48 switches)
PoE Power Supply PPS250		• RoHS compliant, green product • Provision of more/external PoE power budget (225 W) • For GS2200-24P only
2-Slot 10G Module EM412 EM422		• Extended 2-port 10G CX4 module for short distance deployment (EM412) • Extended 2-port 10G XFP module for long distance deployment (EM422)
Media Converter MC1000-SFP-FP MC100FX-SC30-A MC100FX-SC2-A		• Conversion between different transmission speeds and media types • Built-in fiber transceiver module with SC connector (MC100FX Series) • Maximum transmission distance of 30 km/2 km (MC100FX Series) • Auto-negotiating Ethernet ports (speed, half/full duplex) and auto-crossover Ethernet ports (support auto MDI/MDI-X) • Link Fault Signaling (LFS) notifies peers of failed links
802.3af PoE Injector POE12		• One RJ-45, 10/100BASE-TX PoE-enabled port • Easy installation for IEEE 802.3af-compliant WLAN AP or IP surveillance camera in difficult to reach places • Up to 100 m coverage via CAT-5 Ethernet cable

Network Management Software — Management Software

Enterprise Network Center ENC		• Free download for 30-day trial and 50-node management • Maximum 2000 devices management (ZyXEL Ethernet Switches and Enterprise WLAN access points) • Network and device auto-discovery • Firmware upgrade/backup and device configurations • Performance alerts and monitoring • RMON management and visual VLAN management

Access Points — Wireless Solutions

Wireless N Access Point/Ethernet Bridge/Repeater WAP3205		• 802.11n compliant, wireless link speed up to 300 Mbps** • 2 detachable antennas for wide-range coverage and faster speed • Four operating modes: AP, repeater, bridge and wireless client • Advanced wireless security with WEP, WPA/WPA2 and 802.1x support • WPS button for quick and easy wireless security setup

ZyXEL

ZyXEL North America

1130 N.Miller St.
Anaheim, CA 92806
(W) us.zyxel.com
(T) 800.255.4101
(F) 714.632.0858
(E) sales@zyxel.com

Copyright © 2012 ZyXEL Communications. ZyXEL is a trademark of ZyXEL Communication. Co. 2012v1
Reproduction in whole or part without permission is prohibited. All other trademarks are the property of their respective owners.

WLAN Adapters — Wireless Solutions

Wireless N300 Range Extender WRE2205		• Easily extends wireless coverage of existing 802.11b/g/n networks • Compact, wall-mount design for convenient placement • Simple setup with the easy setup wizard and WPS button • Signal strength LED indicates the best setup location • Ethernet port for connecting wired devices to wireless network • Power on/off switch enables easy energy saving

WLAN Adapters — Wireless Solutions

5-GHz Wireless N Media Streaming Box WAP5605		• 802.11n-compliant, 5 GHz-only design for interference-free connectivity • SmartRange technology extends the effective wireless coverage • Video-grade QoS optimizes video streaming playback • Gigabit Ethernet for maximum wired connection performance and stability • AP/Client mode switch for easy setup and control • On/Off button for front panel LED lights to better fit living areas
Wireless N-Lite USB Adapter N220		• 802.11n compliant, data transfer rates of up to 150 Mbps* • Works with Wi-Fi Direct supported devices • WMM QoS support for multiple applications • WPS button for quick and easy wireless security setup
Wireless N-Lite USB Adapter NWD2105		• 802.11n compliant, data transfer rates of up to 150 Mbps* • Works with Wi-Fi Direct supported devices • WMM QoS support for multiple applications • WPS button for quick and easy wireless security setup
Wireless N USB Adapter NWD2205		• 802.11n compliant, data transfer rates of up to 300 Mbps** • WMM QoS support for multiple applications • WPS button for quick and easy wireless security setup • Automatically adjusts wireless output power based on the distance between AP and client • Power-saving mode when no traffic detected

Consumer Routers — Wireless Solutions

Wireless N-Lite Home Router NBG416N		• 802.11n support, data transfer rates of up to 150 Mbps* • WMM QoS support for multimedia applications • Automatically adjusts power consumption by detecting link status and cable length • WPS button for quick and easy wireless security setup
Wireless N Home Router NBG418N		• 802.11n compliant, wireless speeds of up to 300 Mbps** • WMM QoS enhances multimedia streaming • WPS button simplifies secure network setup • Saves energy by detecting link status and cable length
Wireless N NetUSB Router NBG419N v2		• 802.11n compliant, data transfer rates of up to 300 Mbps** • 1 NetUSB™ port shares printers and USB mass storage devices wirelessly • Friendly user interface for fast function navigation and setup • Eco-friendly products with wireless scheduling, wireless output management, and wireless on/off button • Configurable QoS ensures optimal bandwidth for preferred activities
Wireless N Gigabit Managed Router NBG4604		• 802.11n compliant, data transfer rates of up to 300 Mbps** • Gigabit Ethernet ports bring faster wired speed • Multiple SSID for separating access privileges (secured and guest) • TR-069 support for auto-configuration and provisioning • VLAN support for quality triple-play • QoS for effective multimedia bandwidth allocation • Supports ROM-D for custom default configuration

* The theoretical maximum connection rate is 150Mbps. The actual data transfer rate will vary depending on the network environment.
** The theoretical maximum data transfer rate is 300 Mbps. The actual data transfer rate will vary depending on the network environment.

Consumer Routers — Wireless Solutions

Wireless N Gigabit NetUSB Router
NBG4615

- 802.11n compliant, wireless speeds of up to 300 Mbps*
- Powerful routing performance
- Configurable QoS enhances gaming and multimedia streaming
- 2 NetUSB™ ports share printers and USB mass storage devices wirelessly

Simultaneous Dual-Band Wireless N Media Router
NBG5715

- 802.11n compliant, with data transfer rates of up to 450 Mbps**
- True concurrent dual-band network (2.4 GHz and 5 GHz)
- SmartRange technology extends the effective wireless coverage
- Advanced QoS offers smoother media streaming
- 2 NetUSB™ ports share printers and USB mass storage devices wirelessly

Mobile Routers — Wireless Solutions

Portable 11n Travel Router
MWR102

- Small form factor for optimum portability
- Built-in 11n WiFi access point
- Can be powered via USB
- Acts as router, AP, or Ethernet Bridge

Battery Powered Mobile Broadband Router
MWR222

- Built-in 11n WiFi access point
- Built-in rechargeable battery for maximum mobility
- Supports both wired and 3G/4G WAN with Fail Over
- Quota management keeps track of your mobile WAN useage to help prevent overages
- Features both a physical WAN and physical LAN port

* The theoretical maximum connection rate is 300Mbps. The actual data transfer rate will vary depending on the network environment.
** The theoretical maximum data transfer rate is 450 Mbps. The actual data transfer rate will vary depending on the network environment.

Wireless LAN Access Points 1000 Series — WLAN APs and Controllers

802.11 b/g/n PoE CloudEnabled Access Point
NWA1100N-CE

802.11 b/g/n PoE Access Point
NWA1120-NI

802.11 b/g/n In-wall PoE Access Point
NWA1300-NJ

- Easy deployment via multiple operating modes and IEEE 802.3af PoE support
- Multiple 4/8 SSIDs benefit different service levels (NWA1100N/NWA1120-NI)
- Certified WPA/WPA2 support for strict network protection
- Comprehensive management solutions that effortlessly merge into the existing network administration system
- Environmentally friendly through IEEE 802.11az Energy Efficient Ethernet (EEE) and WMM Power Saving features (NWA1100-N and NWA1120-NI)

Wireless LAN Access Points 3000 Series — WLAN APs and Controllers

802.11 a/b/g/n Business Access Point
NWA3160-N

802.11 a/b/g/n Dual-Radio Outdoor Business Access Point
NWA3550-N

802.11 a/b/g/n Business Access Point
NWA3560-N

- High bandwidth & superior performance with IEEE 802.11n standard support
- 3-in-1 solution: WLAN controller, standalone AP or managed AP
- Brand new centralized graphic management interface for up to 24 WLAN APs
- Back-up redundancy support to provide reliable connection service (Device HA)
- Secured tunnels for communication between controller and managed AP

Wireless LAN Controller and Access Points — WLAN APs and Controllers

802.11 a/b/g/n Managed Access Point
NWA5160-N

802.11 a/b/g/n Dual-Radio Outdoor Managed Access Point
NWA5550-N

802.11 a/b/g/n Dual-Radio Managed Access Point
NWA5560-N

WLAN Controller
NXC5200

- Higher-bandwidth, superior performance with full range of 802.11n Access Points (NWA5160-N, NWA5560-N, and NWA5550-N Managed APs)
- Manage up to 240 APs with granular access control
- Centralized WLAN management on both configurations and data
- Flexibly supports both distributed and tunneled data forwarding
- Comprehensive guest network management with auto guest account generator and Web authentication support

Hospitality Gateways — WLAN APs and Controllers

Service Gateway Printer
SP300E

- 3 configurable buttons to print preconfigured service levels
- Input: 5 V DC, 2.5 A
- Paper Width: 2.3”
- Paper Length (max.): 164’
- Supports 802.3af Power over Ethernet

Wireless N Hot Spot Gateway
N4100

- Unique ticket printer integration for user's easy connection
- IP Plug and Play for zero configuration
- Various authentication bases including RADIUS server, local user, and pop3
- License-based concurrent user upgrade support

Vantage Service Gateway
VSG1200v2

- Ideal for Hospitality and MxU properties of up to 300 rooms
- Supports RADIUS authentication and robust billing options
- Supports Airpath, Boingo, iPass, GRIS, and other roaming services
- Additional revenue generation with walled garden and homepage redirect

Integrated Service Gateways — Gateways

Integrated Service Gateway
ISG50-ISDN
ISG50-PSTN

- SMB gateway with integrated communication and security services
- Easy and secure deployments utilizing Ethernet
- Firewall and VPN protection on data as well as voice
- Rich, high-quality communication features with mobility assurance
- TAPI supports 3rd party unified communications solution

Business IP Desktop Phone
V310

- 8 BLF, conference and rich call features
- IPv6, SIPv6, IPSec VPN
- Power over Ethernet
- Auto provisioning and auto firmware upgrade
- G.729 speech compression and G.722 wideband voice

Integrated Service Gateways — Gateways

Mobile Softphone Application for ISG50
ZyXEL Reach

- Mobile Softphone Application for use with ISG50 for Android and IOS

Home Network Storage — Storage Solutions

1-Bay Digital Media Server
NSA310

- 1-bay network storage with capacity of up to 3 TB
- Stream HD media on DLNA TV or media player
- Auto download/upload platforms frees up your PC
- zPilot™ organizes media files via easy drag-and-drop operations
- Green media server for energy savings

2-Bay Power Media Server
NSA320

- 2-bay network storage with capacity of up to 6 TB
- High performance for multiple HD streams
- zPilot™ organizes media files via easy drag-and-drop operations
- All-in-one backup solution protects valuable data
- Green media server for energy savings

2-Bay Power Plus Media Server
NSA325

- 2-bay network storage with capacity of up to 6 TB
- Superior performance powers multiple HD streaming
- Mobile App support provides remote backup, BT downloading and media playback everywhere
- USB 3.0 port provides faster backup from USB devices
- Green media server for energy savings

IP Cameras — IP Cameras

CloudEnabled Network Camera
IPC3605N

- Video up to 720p and h.264 encoding for best video quality
- CloudEnabled™ for easy configuration and viewing from any PC or Smart Phone
- Supports 802.11n for easy connectivity & installation
- Infrared illumination for viewing in total darkness

CloudEnabled Network Camera
IPC4605N

- Video up to 720p and h.264 encoding for best video quality
- CloudEnabled™ for easy configuration and viewing from any PC or Smart Phone
- Supports 802.11n for easy connectivity & installation
- Infrared illumination for viewing in total darkness
- Pan & Tilt for dynamic viewing

Powerline Ethernet Adapters — Wired LAN Adapters

Wall-Mount Powerline Ethernet Adapter
PLA401

- HomePlug AV compliant, data transfer rate of up to 200 Mbps*
- Simple wall-plug design
- QoS for video and audio streaming
- HomePlug instant encryption button to secure Powerline network
- Power-saving mode for lowering energy consumption

Powerline Pass-Thru Ethernet Adapter
PLA407

- HomePlug AV compliant, data transfer rate of up to 200 Mbps*
- AC pass-through design with an extra power socket provides more flexibility
- Built-in noise filter to ensure high Powerline connection rate
- QoS for video and audio streaming
- Power-saving mode for lowering energy consumption

500 Mbps Mini Powerline Ethernet Adapter
PLA4201

- Plug-and-play, compact design
- Upgrade powerline network with IEEE 1901 500 Mbps technology***
- QoS enhances media streaming quality
- Backward compatible with HomePlug AV 200 Mbps
- Power-saving mode reduces energy waste

500 Mbps Powerline Gigabit Ethernet Adapter
PLA4205

- IEEE 1901 and HomePlug AV compliant, data transfer rates of up to 500 Mbps***
- Gigabit Ethernet port provides faster wired connection
- QoS enhances media streaming quality
- Power-saving mode reduces energy waste

500 Mbps Mini Powerline Pass-Thru Ethernet Adapter
PLA4211

- Plug-and-play, compact design
- Upgrade Powerline network with IEEE 1901 500 Mbps*** technology
- AC pass-through design with an extra power outlet
- Embedded noise filter for reduced power interference
- QoS enhances media streaming quality
- Backward compatible with HomePlug AV 200 Mbps
- Power-saving mode reduces energy waste

500 Mbps Powerline Pass-Thru Gigabit Ethernet Adapter
PLA4215

- IEEE 1901 and HomePlug AV compliant, data transfer rates of up to 500 Mbps***
- Gigabit Ethernet port provides faster wired connection
- AC pass-through design with built-in noise filter
- QoS enhances media streaming quality
- Power-saving mode reduces energy waste

500 Mbps Powerline 4-Port Gigabit Switch
PLA4225

- IEEE 1901 and HomePlug AV compliant, data transfer rates of up to 500 Mbps***
- 4 Gigabit Ethernet ports for connecting to multiple network devices at one time
- QoS enhances media streaming quality
- Power-saving mode reduces energy waste

HomePNA Ethernet Adapters — Wired LAN Adapters

HomePNA 3.1 Coax Ethernet Bridge
HLA3105

- Plug-and-play bridge adapter converts coaxial wiring to/from Ethernet
- HPNA 3.1 (ITU G.9954)-compliance with data transfer rates of up to 320 Mbps**
- 2 F-type coaxial connecters with internal filters to provide a cost-saving solution for reducing signal interference to a legacy TV
- 1 Fast Ethernet port for FTTx, DSL modem and Ethernet terminals

* The theoretical maximum channel data rate is 200 Mbps on physical layer. The actual channel data rate will be lower depends on noise on electrical wires and quality of electrical installation.
** The theoretical maximum channel data rate is 320 Mbps on physical layer. The actual channel data rate will be lower depends on noise on electrical wires and quality of electrical installation.
*** The theoretical maximum channel data rate is 500 Mbps on physical layer. The actual channel data rate will be lower depends on noise on electrical wires and quality of electrical installation.

IP Set-top Boxes — Multimedia Solutions

HD IP Set-Top Box
STB2101-H

- Advanced video coding
- High-definition video quality
- Support for content security solutions
- Integrated middleware solutions
- Easy installation and extendable features

HD IP Set-Top Box with PVR
STB2105

- Advanced video coding
- High-definition video quality
- Supports DLNA for multimedia sharing
- PVR/Time shifting support
- Support for content security solutions
- Integrated for middleware solutions

VDSL Bonding Gateways — xDSL CPE

802.11n Wireless VDSL2 Bonding Gateway
P873HNU

With HPNA3.1
P873HNUP

- ADSL2+/VDSL2 Bonding
- 802.11n AP functions built-in (2x2)
- HPNA 3.1 over Coaxial (P873HNUP)
- QoS and SPI Firewall
- TR-069 remote management
- Dedicated Gigabit Ethernet WAN

VDSL Gateways — xDSL CPE

802.11n Wireless VDSL2 4-Port Gateway with USB
VMG1312

- VDSL2/ADSL2+ Dual Mode support
- 802.11n AP functions built-in (2x2)
- Superior QoS and Traffic Management
- TR-069 remote management support

VDSL Gateways — xDSL CPE

802.11n Wireless VDSL2 4-Port Gateway
VSG1432

With HPNA3.1
VSG1435

- VDSL2/ADSL2+ Dual Mode support
- Dedicated Gigabit Ethernet WAN
- 802.11n AP functions built-in (2x2)
- HPNA3.1 over Coaxial (VSG1435)
- Superior QoS and Traffic Management
- SPI Firewall protection
- Remote provisioning and management through TR-069

VDSL2 4-Port Gateway
P870H

- VDSL2/ADSL2+ Dual Mode support
- Superior QoS and Traffic Management
- Remote provisioning and management through TR-069

VDSL2 Modem
P871M

- VDSL point-to-point modem
- 1 FE LAN and 1 console port
- Greater point to point bandwidth capacity based on VDSL technology
- Selectable CO/CPE configuration through dedicated hardware switch
- Plug and play design

VDSL IADs — xDSL CPE

802.11n Wireless VDSL2 VoIP Combo WAN IAD
P2812HNU

- VDSL2/ADSL2+ Dual Mode support
- Dedicated Gigabit Ethernet WAN
- 802.11n AP functions built-in (2x2)
- SIP with 2 FXS port support
- 2 USB host interfaces
- Superior QoS and Traffic Management
- Remote provisioning and management through TR-069/098/104

ADSL Gateways — xDSL CPE

802.11n Wireless ADSL2+ Gateway
P660HN-51

- Integrated high-power 802.11n access point
- Standards based WPS for easy WLAN security setup
- Dual IPv6 / IPv4 routing supports multiple networks
- Robust SPI firewall protection
- Effective bandwidth management for IPTV and other services
- Remote provisioning and management through TR-069

Wireless N ADSL2+ 4-Port Gateway
P660HN-T1A

- 802.11n AP functions built-in
- Standard based WPS for easy and secure WLAN establishment
- Robust SPI Firewall protection
- Effective bandwidth management for Triple Play applications
- Remote provisioning and management through TR-069

ADSL2+ Ethernet/ USB Router
P660R Compact Series

- ADSL2+ high-speed Internet access
- Remote provisioning and management through TR-069

802.11n Wireless ADSL2+ 4-Port Gateway with Port Bonding
P663HN

- Greater bandwidth supplied by ADSL2+ bonding
- ITU G.998.1 standard based Multi-Pair Bonding
- Built-in 802.11n AP functions
- Standard based WPS for easy and secure WLAN establishment
- Remote provisioning and management through TR-069

ADSL IADs — xDSL CPE

802.11n Wireless ADSL2+ VoIP Combo WAN IAD
P2612HNU(GbE)

- ADSL2+ high-speed Internet access
- Dedicated Gigabit Ethernet WAN
- 802.11n AP functions built-in (2x2)
- SIP with 2 FXS port support
- 2 USB host interfaces
- Superior QoS and Traffic Management
- Remote provisioning and management through TR-069/098/104

G.SHDSL Gateways — xDSL CPE

G.SHDSL.bis 4-Port Security Gateway
P793H v2

- High-speed symmetric data transmission (G.SHDSL.bis support)
- ITU G.998.1 (G.Bond) support: 4-wire bundle for higher bandwidth and longer distance (P-793H v2 Series)
- ATM/EFM support and auto-sense
- Robust Firewall security (SPI and DoS) and IPSec VPN
- Remote management through TR-069

Central MSANs / BLCs — MSANs/DSLAMs

1U 2-Slot Remote MSAN and Line Cards
IES1000

- 1U with two slide-in slots for various xDSL/VoIP modules
- 12-port ADSL/ADSL2/ADSL2+ module with built-in splitter
- 16-port SHDSL/G.SHDSL.Bis module for long reach and business applications
- 24-port VoIP module (SIP)
- 2 FE uplinks
- 802.1p QoS, priority queuing, 802.1q VLAN tagging and multicasting

48-Port Temperature-Hardened ADSL2+ Box DSLAM
IES1248-51
IES1248-51A
IES1248-51V

- Remote MSAN, 1.5U, AC or DC
- Compact and temperature-hardened
- In-band management and mini RJ11 for local console
- 48-port ADSL/ADSL2/ADSL+ module with built-in splitter
- Hot-swappable fan module
- VoIP media gateway embedded (SIP or H.248, IES-1248-51V)
- G.998.1 2-port bonding
- MLT function

6.5U Central / Remote MSAN
IES5000

- Two management and switching cards plus 2 power modules for redundancy
- Up to 8 slots for hot-swappable 48/72-port ADSL2+, 48-port SHDSL with ATM/EFM mode, 48-port VoIP, 24/48-port VDSL2, 20-port 100Base-X optical FE and 8-port E1 IMA line cards; Max. 576 ports per chassis
- CO splitter cards on separate splitter chassis
- 4 GE for uplinks and subtending

3.5U Remote MSAN
IES5005

- One management and switching card plus 2 power modules for redundancy
- Up to 4 slots for hot-swappable 48/72-port ADSL2+, 48-port SHDSL with ATM/EFM mode, 48-port VoIP, 24/48-port VDSL2, 20-port 100Base-X optical FE and 8-port E1 IMA line cards; Max. 288 ports per chassis
- CO splitter cards on separate splitter chassis
- 4 GE for uplinks and subtending

5U 6-Slot Chassis MSAN
IES5106 Series

- Gigabit backplane support to provide non-blocking traffic for optimized IPTV performance
- Power Redundancy support to ensure services stability
- Hot-swappable design on line cards and fan module to increase reliability while extend Mean Time Between Failure (MTBF) value to expand life span
- Comprehensive QoS to enhance triple play users' experience (SR, WRR)
- Field proven IGMP v1, v2 snooping and proxy for IPTV deployment (1024 Multicast Groups)

8U 12-Slot Chassis MSAN
IES5112 Series

- Gigabit backplane supports to provide non-blocking traffic for optimized IPTV performance
- Power Redundancy support to ensure services stability
- Hot-swappable design on line cards and fan module to increase reliability while extend Mean Time Between Failure (MTBF) value to expand life span
- Comprehensive QoS to enhance triple play users' experience (SR, WRR)
- Field proven IGMP v1, v2 snooping and proxy for IPTV deployment (1024 Multicast Groups)

Central MSANs / BLCs — MSANs/DSLAMs

12.5U 17-Slot Chassis MSAN
IES6000 Series

- 2 management and switching cards plus 2 power modules for redundancy
- Up to 16 slots for hot-swappable 48/72-port ADSL2+, 48-port SHDSL, 48/72-port VoIP, 24/48-port VDSL2 and 20-port 100BASE-X optical FE and 8-port E1 IMA line card; max. 1152 ports per chassis
- CO splitter cards on separate splitter chassis
- 8 GbE or 2 10G + 6 GbE interfaces for uplinks and subtending
- Supports multimedia applications including IPTV, VoIP (SIP or H.248) and VPN services

Remote MSANs / Remote DSLAMs — MSAN & IP DSLAM

24-Port Temperature-Hardened VDSL2 Remote IP DSLAM
VES1616FT-54
VES1624FT-54

- VDSL2 downstream/upstream: 100/50 Mbps AC or DC
- Temperature-hardened
- 2-slot 100/1000 Mbps Ethernet uplinks/downlinks and 2-slot Gigabit fiber uplinks/downlinks (Combo)
- IP QoS support: VLAN, multicasting and priority queue
- 802.1X service authentication
- Advanced security: VLAN, IGMP snooping and Multicast VLAN Registration (MVR)

IP DSLAM/ MSAN Element Management System (EMS)
NetAtlas Access
Windows Version

- Advanced system management, network configuration, performance monitoring, fault detection, and security control features
- Quick global alarm update, display and information retrieval
- Up to 2000 NE or 100K DSL ports
- Windows or Unix version
- XML/SOAP Northbound interface
- Redundancy

Ethernet Service Gateways — ETTH

Wireless N-lite 4-Port Ethernet Gateway
EMG1202

- 802.11n AP functions built-in (1x1)
- Wi-Fi Protected Setup (WPS) support
- FE WAN and 4-port FE switch
- Supports Triple-Play QoS and SPI Firewall Security
- TR-069 compliance

Wireless N 4-Port Gigabit Ethernet Gateway
EMG2306

- 802.11n AP functions built-in (2x2)
- Wi-Fi Protected Setup (WPS) support
- GbE interface supported on WAN and LAN
- Supports Triple-Play QoS and SPI Firewall Security
- TR-069 compliance

Wireless N 4-Port Gigabit Ethernet VoIP Gateway
EMG5324

- 802.11n AP functions built-in (2x2)
- SIP with 2 FXS port support
- GbE interface supported on WAN and LAN
- Supports Triple-Play QoS and SPI Firewall Security
- TR-069/TR-104 compliance

Carrier and Access Switches — Active Optical Network

48-Port GbE L3 Switch with 10 GbE Uplink
XGS4700-48F

- IPv4/IPv6 routing
- L3 advanced routing protocols, OSPF, DVMRP, VRRP and ECMP
- Optional modular 10 Gigabit Ethernet support
- Multilayer-aware (L2/L3/L4) ACL for security protection and traffic optimization
- Guest VLAN
- IGMP Snooping v1, v2, v3, MVR
- Removable fan and power modules (XGS4700-48F)

24-Port GbE L3 Switch with 10 GbE Uplink
XGS4728F

12-Port GbE L2 Switch
MGS3712F

- 8 GbE SFP open slots + 4 dual-personality Gigabit ports (RJ-45/SFP open slots)
- 24 Gbps non-blocking switching fabric; 17.8 Mpps forwarding rate
- 16K MAC address table; 8 802.1p priority queues per port
- Policy-based QoS Optimizes Multi-service Quality
- IGMP Snooping v1, v2, v3, MVR
- Multilayer-aware (L2/L3/L4) ACL for Security Protection
- "Front Access" design, external alarm input/output block

24-Port FE L2 Switch with GbE Uplink
MES3500-24
MES3500-24F

- 24-port 10/100BASE-TX + 4 dual-personality Gigabit ports (RJ-45/SFP open slots; MES3500-24)
- 24 FE SFP open slot + 4 dual-personality Gigabit ports (RJ-45/SFP open slots; MES3500-24F)
- 12.8 Gbps non-blocking switching fabric; 9.6 Mpps forwarding rate
- 16K MAC address table; 8 802.1p priority queues per port
- Policy-based Quality of Service (QoS), IGMP v1/2/3 support
- Intelligent ACL
- External alarm block (4 inputs, 1 output)

24-Port FE L2 Switch
ES3124F

- 24 FE SFP open slots + 2 GbE SFP open slots + 2 dual-personality Gigabit ports (RJ-45/SFP open slots)
- 12.8 Gbps non-blocking switching fabric; 9.6 Mpps forwarding rate
- 16K MAC address table; 8 802.1p priority queues per port
- Multilayer-aware (L2/L3/L4) ACL for security protection and traffic optimization
- VLAN stacking (Q-in-Q) support; backup power system support

Active Fiber CPEs — Active Optical Network

Gigabit Active Fiber VoIP IAD
FMG3024/FMG3025

- Gigabit active fiber (100/1000 Mbps)
- Coaxial interface for CATV service (FMG3025)
- Robust SPI Firewall protection
- Remote provisioning and management through TR-069

802.11n Wireless Active Fiber Gateway
FSG1100HN

- 100Base Fiber WAN access
- 802.11n wireless AP built-in (1x1 antenna)
- Effective bandwidth management for triple-play applications
- Remote management through TR-069/TR-098/TR-104
- Easy installation with integrated fiber tray

LTE IAD — 4G LTE

LTE Indoor Wi-Fi VoIP IAD
LTE5121

- 3GPP TS 36.101 (Release 8) Compliant LTE Category 3
- Supports Band 13 or 17
- Gigabit Ethernet switch
- 802.11n AP functions built-in (2x2)
- VoIP technology with SIP signaling protocol
- USB 2.0 Host
- TR-069/TR-104/TR-111
- OTA Software Upgrade (FUMO)

VoIP Gateway — VoIP Solutions

VoIP Gateway
P2702R

- Feature-rich calling functionality
- Supports auto-provisioning
- Support for all common audio codecs
- Customizable for SIP servers and softswitch compatibility